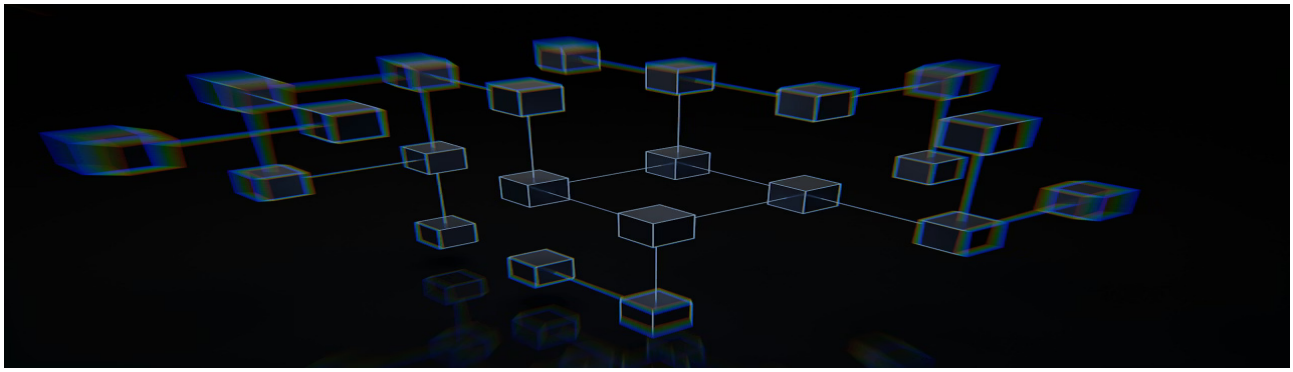
deBridge — Official Protocol Overview

Instant Cross-Chain Swaps & Seamless Blockchain Interoperability

The modern decentralized web requires frictionless movement of assets and data across every blockchain network. debridge is a leading cross-chain interoperability protocol that connects Ethereum, BNB Chain, Polygon, Arbitrum, Solana, and 50+ other networks through a trustless, decentralized validation layer. By removing the need for centralized bridges or custodians, the protocol enables secure, instant, and cost-efficient asset transfers — empowering developers and users to move tokens, NFTs, and arbitrary data across chains with confidence.



Cross-chain node network: deBridge connects decentralized blockchain clusters through a trustless validation architecture.

How deBridge Works: Protocol Architecture

The protocol is built on three core layers that work together to ensure every cross-chain transaction is fast, secure, and verifiable:

Validation Layer — An independent network of decentralized validators reaches consensus before funds are released on the destination chain, eliminating single points of failure.

Smart Contract Layer — On-chain contracts enforce the terms of every swap or transfer automatically, without any centralized intermediary.

Liquidity Layer — Aggregated liquidity pools across chains minimize slippage and ensure competitive rates for transfers of any size.

Key Features at a Glance

Feature	Details
Supported Chains	50+ EVM and non-EVM networks (Ethereum, Solana, Arbitrum, Polygon...)
Transaction Speed	Under 5 seconds average cross-chain confirmation time
Security Model	Decentralized validators — no multisig, no custodian
Fee Structure	0.1% – 0.3% on transferred value, highly competitive
Uptime	99.9% protocol availability since mainnet launch
Asset Types	Tokens, NFTs, and arbitrary cross-chain message passing

de Bridge: Use Cases, Ecosystem & Getting Started

From DeFi protocols to GameFi platforms, the demand for cross-chain connectivity continues to grow rapidly. de Bridge serves as the foundational infrastructure that Web3 builders rely on to deliver interoperable products to their users. This page covers real-world use cases, ecosystem integrations, and the simple steps required to bridge your first asset today.

Top Use Cases

Cross-Chain DeFi Yield Optimisation

DeFi protocols integrate the bridge to automatically route user funds to the highest-yielding pool across Ethereum, Arbitrum, and Polygon — all within a single transaction, with no manual bridging required by the end user.

NFT Portability & Multi-Chain Marketplaces

NFT projects allow collectors to move assets freely between chains, unlocking liquidity on whichever marketplace offers the best price at any given moment.

Cross-Chain DAO Governance

DAOs with token holders spread across multiple chains achieve unified on-chain voting through the protocol's arbitrary message passing layer, making governance truly inclusive regardless of where holders reside.

GameFi In-Game Asset Transfers

Blockchain games rely on low-latency, low-cost transfers to let players move in-game items and currencies across networks without friction or excessive gas fees.

Getting Started: Bridge Your First Asset in 3 Steps

01 **Step 1 — Connect Your Wallet**
Visit debridge-app.com and connect any EVM-compatible wallet such as MetaMask or WalletConnect, or a Solana wallet such as Phantom. The interface detects your network automatically.

02 **Step 2 — Select Chains & Token**
Choose the token you wish to transfer, the source blockchain, and the destination network. The protocol instantly displays the estimated output amount, fees, and expected confirmation time.

03 **Step 3 — Confirm & Bridge**
Approve the transaction in your wallet. The decentralized validators process the transfer and your assets arrive on the destination chain — typically within seconds.

Ready to get started? Visit debridge-app.com and experience seamless, trustless cross-chain transfers today. Join thousands of developers and traders who rely on the protocol for their Web3 interoperability needs.